

Sanctuary Education Panel (SEP) Meeting Minutes

Thursday, Nov 15, 2012

Attendees: Steve Clark, Amity Wood, Lisa Uttal, Deborah MacArthur, Simona Bartl, Beth Callaghan, Suzanne Hebert (Notetaker)

Time*	Agenda Item	Presenter
3:00	Welcome	Lisa & Suzanne
3:10	<p>Ocean Acidification Lecture & Discussion</p> <p>Simona gave a PowerPoint presentation summarizing the “Ocean Acidification in a High CO2 World” conference.</p> <ul style="list-style-type: none"> Overall message: Although there have been periods in the past when ocean pH has decreased and global temperatures have increased, the RATE of CHANGE is far greater now than has ever been documented. Effects of more acidic ocean will include: increased photosynthesis, decreased calcification, change in physiology of organisms. Alga seem to react differently to increased acidity—some species do better, while others do worse. Studies show that the larval stages of bivalves are sensitive to pH changes. Major implications for oyster farms. Clownfish studies have shown that increased acidity lessens/removes the ability of juvenile fish to detect predators or find food. C40 Climate Cities: http://www.c40cities.org/home <p>Cities all over the world, including San Francisco and Los Angeles (which is on the steering committee) are implementing strategies to reduce carbon without waiting for action on a national/global level.</p> <ul style="list-style-type: none"> Market research has shown that most people describe themselves as caring about environmental issues, they just don’t know what they should be doing. As educators, we need to “make the ask”—tell folks what actions to take. 	Simona Bartl
	<ul style="list-style-type: none"> The group decided to delve into finding and testing good activities, websites, messages that will help all of us communicate about OA more effectively with our audiences. <p>ACTION ITEMS:</p> <ul style="list-style-type: none"> Steve Clark: develop HS lab the effects of OA on oysters. Deborah MacArthur: find a 5th grade lesson/activity showing how OA also has an impact on freshwater systems. Amity Wood: review CampSeaLab activities for youth. Look specifically for ones that promote behavior change and can be done in the field. Simona Bartl: Look into finding specific actions people of varying ages can take to reduce carbon inputs. Lisa Uttal: will review and send out climate change resources developed by NOAA and the Sanctuaries. Beth Callaghan: will see what activities MBA uses, suggests for climate change education. Suzanne Hebert: will review the Santa Cruz Climate Adaptation Plan. Look for links b/t the plan and LML researchers and actions the Santa Cruz community can take to help fulfill the adaptation plan. Simona and Lisa will draft e-mails: <ul style="list-style-type: none"> To teachers: are you teaching about OA? If so, what curriculum are you using? To SEP members: what resources/activities do you need to better communicate about OA? 	Simona Bartl

Sanctuary Education Panel (SEP) Meeting Minutes
Thursday, Nov 15, 2012

4:00	Sanctuary Education Panel Meeting	Simona & Lisa
	<ul style="list-style-type: none"> • UPDATE – Action Items from Sept Minutes <ul style="list-style-type: none"> ○ Teacher survey results: Lisa will talk with Dawn about status of getting survey sent out. (SCNHM/SOS) ○ Website posting of SEP agendas: Simona has been asked to send the SEP agenda to the SAC ahead of each meeting so that SAC members can see what will be discussed and decide if they would like to attend. Lisa and Simona will set agendas and send to SAC. 	
4:10	MBNMS Advisory Council Update	Simona
	Highlights from October SAC meeting <ul style="list-style-type: none"> • Simona unable to attend October meeting, but was able to obtain an update from another member. • The meeting mostly focused on the possibility of seismic testing off the coast of Diablo Nuclear Power Plant near San Luis Obispo. <ul style="list-style-type: none"> ○ The SAC drafted a letter citing a position against going through with the testing. ○ California Coastal Commission denied PG&E's request to test on 11/14/12. • The Environmental Working Group drafted a letter about looking into the population health of forage species. 	
4:20	Sanctuary Update <ul style="list-style-type: none"> • 33,000 visitors since opening in July. • The Education Plan Framework is done. Plan to implement the Education Plan in 2014. 	Lisa
4:50	Future SEP meetings	Simona
	<ul style="list-style-type: none"> • January 24 @ Moss Landing Marine Lab (notetaker = Dorris Welch) • March 21 @ Monterey Bay Aquarium (notetaker = TBD) • May 16: Location TBD 	
4:55	Announcements	All
5:00	Adjourn	

* TIMES ARE APPROXIMATE